

LUKAC, Feodor, prof. d-r; PRCIC, Midhat, d-r

Heart-lung apparatus (artificial heart) and its use in extracorporeal circulation. Med. arh., Sarajevo 13 no.4:71-80 J1-Ag '59.

1. Hirurska klinika Medicinskog fakulteta u Sarajevu. sof: prof. d-r B. Kovacevic.

(HEART MECHANICAL)

LUKAC, FEDOR

1. "The Will Polio Vaccination be Reported This Year?" In: Tr. Miro. Akad. Nauk, pp. 1-7.
2. "Rehabilitation - Return to Labor" Prof. Dr. Fedor LUKAC, pp. 4-7.
3. "Vaccination of Children Against Diphtheria is the Best Protection Against This Disease" Prof. Dr. Jakob A. GARD, Faculty of Medicine, Sarajevo; pp. 7-1.
4. "Regarding the Significant Loss of Hair, Professor Dr. Veljko KURBANOVIC; pp. 10-12.
5. "Wishes for Research Director Dr. Vukobratovic; pp. 13-15.
6. "Classification of Cancer and Osteosarcoma" Dr. Pava. DOGLIUB, Gynecologist; pp. 16-18.
7. "Notes About Epilepsy" Dr. Ivan MILANOVIC, Neurophysiologist; pp. 19-21.
8. "Experimental Dissection of the Hip and its Treatment" Docent Dr. Mihailo P. ROLIC; pp. 21-23.
9. "The Treatment and Control of the Disease Tuberculosis" Milan M. JOSEVIC; pp. 23-25.
10. "The Changing Nature and Location of the Disease STEPHANOVIC; pp. 25-27.
11. "Vascular Problems and Treatment Problem of Public Health" Dr. Veljko KURBANOVIC; pp. 28-30.

— Medical Faculty —

LUKAC, F.

In memoriam Primarius Dr. Savo Salatic. Med. arh. 16 no.3:3-4
My-Je '62.

(OBITUARIES)

LUKAC, Feodor, prof. dr.

The problem of breast cancer in Bosnia and Hercegovina according to
10-year experience in the Sarajevo Surgical Clinic. Med. arh. 16
no.6:1-14 N-D '62.

1. Hirurska klinika Medicinskog fakulteta u Sarajevu (V. d. sefa:
prof. dr F. Lukac).

(BREAST NEOPLASMS)

5

SPALDON, F.; LUKAC, J.; MICHALIKOVA, F.; KMET, S.

Comparison of physical properties of two types of granulated
ferrosilicon and their relation to the suspension properties.
Sbor VST Kosice 1:125-135 '64.

1. Chair of Ore Dressing of the Higher School of Technology.
Kosice. Submitted April 15, 1963.

LUKAC, M.

Increasing the durability of wooden molds by impregnation with sodium-chloride solution. p. 311

SKLAR A KERAMIK. (Ministerstvo lehkého průmyslu) Praha, Czechoslovakia, Vol. 9, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

LUKAC, M.

Calcifications in scleroderma. Fysiat. vestn. 43 no.4:227-230
Ag '65.

1. Interne oddelenie nemocnice v Bojinciach (veduci MUDr.
M. Pauliny).

LUKAC, Michal, inz.

Development of mechanical separators in Pohronske strojarns.
Rudy 10 no.10:364-366 0 '62.

LUKAC, Pavel

International Conference on Metal Physics in Karl-Marx-Stadt.
Poroky mat fyz astr 7 no.1:44 '62.

LUKAC, P.

Automated activation analysis. Jaderna energie 10 no. 3:92-95
Mr '64.

LUKAC, P.

Report on the International Conference on the Physics of Metals
in Karl-Marx-Stadt. Cs cas fys 12 no. 2:195-196 '62.

1. Katedra fyziky pevných látek, Karlova universita, Praha.

G/030/62/002/009/004/004

AUTHORS: Boček, M., Kratochvíl, P., Lukáč, P. (Czechoslovakia)

TITLE: The effect of impurities on the critical
resolved shear stress of zinc single crystals

PERIODICAL: Physica Status Solidi, v. 2, no. 9, 1962, 1221-1224

TEXT: Many measurements have been performed to explain in detail the effect of many parameters on the value of the critical resolved shear stress, the effect of impurities being of the greatest interest. The authors give a more detailed discussion of this subject than has previously appeared. It is assumed that during crystal growth a microsegregation takes place which is connected with the existence of a dislocation network. From this point of view the relation between the critical resolved shear stress of zinc single crystals and their purity is investigated. For the evaluation the measurements made by many authors on zinc single crystals were collected. Only those with solutes: that are soluble in the used range, i.e. they form solid solutions and that have known equilibrium distribution coefficients

Card 1/2

G/030/62/002/009/004/004

The effect of impurities on the critical...

are considered. The results: a) the square root dependence of τ , the critical resolved shear stress, on ρ , the density of dislocations, and b) the good value of the constant 2.6 in $\tau = 2.6 (\sqrt{\rho})^{0.94}$, support the interpretation of the indirect effect of impurities on the critical resolved shear stress. Further calculations have shown that some other metals behave in the same manner. The authors thank Dr. E. Klier for many valuable comments on this work. One figure and one table are included.

ASSOCIATION: Department of Solid State Physics,
Charles University, Prague

SUBMITTED: July 9, 1962

Card 2/2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSES AND PROPERTIES INDEX																			
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Chemical and physical properties of some tremolites from the Tabor region and their genetic relations to mother rocks. R. LUKAC (Rozp. II tř. Čos. Akad., 1934, 44, No. 23, 1-12).— A CaO : MgO ratio of 2 : 5 was found. (H. Abs. (c))																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYMBOLS										FROM SYMBOLS									
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[illegible]Source: Continuation List of List 4 - 1940-1949, Vol. 1, p. 9. Library of Congress, 2000.

LUKAC, R.

"Report on geologic and petrologic research in the environs of Sitno south of Banska Stiavnica." P. 135

GEOLOGICKE PRACE; ZPRAVY, (Slovenska akademie vied. Geologicky ustav Dionyza Stura) Bratislava, Czechoslovakia, No. 4, 1955

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.

LUKAC, R.

LUKAC, R. Some problems of neovolcanism in the wider area of Banska
Stiavnica. p.6.

Vol. 7, no. 1/2, 1956, GEOLOGICKY SBORNIK, BRATISLAVA, CZECHOSLOVAKIA.

SO: Monthly List of East European Accessions, (EEAL), LC., Vol. 5, No. 10,
Oct. 1956.

LUKAC, R.

Petrographic and geologic problems regarding the second volcanic period of the andesites east of Hronska Breznica. p. 135.
(Geologicky Sbornik, Vol. 8, no. 1, 1957. Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EAL) LC, Vol. 6, no. 10, October 1957. Uncl.

LUKAC, R.

In memory of Academician Josef Kratochvil; and obituary. p. 289

KRASY SLOVENSKA (Povereníctvo Dopravy. Riaditeľstvo pre cestovný ruch)
Bratislava Czechoslovakia

Vol. 10, no. 2, 1959

Monthly list of East European Accessions (EEAI) LC. Vol. 9, no. 1 January 1960

Uncl.

LUKAC, Rudolf

Newer achievements of the Czechoslovak cable industry.
Villamossag 8 no.2-3:89-92 F-Mr '60.

1. Kablegyar kutato mernoke, Bratislava.

L 37116-56 EWP(j) RM

ACC NR: AP6027874

SOURCE CODE: CZ/0038/66/000/003/0100/0100

AUTHOR: Lukac, Sava

ORG: Nuclear Research Institute, CSAV, Rez (Ustav jaderneho vyzkumu CSAV)

TITLE: Gas chromatography in nuclear research

SOURCE: Jaderna energie, no. 3, 1966, 100

TOPIC TAGS: gas chromatography, nuclear research, nuclear reactor technology, radiation chemistry, nuclear fuel

ABSTRACT: NRI Report No 1351/65. The review includes 139 papers related to the use of gas chromatography in various fields of nuclear research. The first part deals with applications in reactor technique, in particular for studying nuclear reactions, in coolant research and in radiation chemistry. The second part deals with applications for the production and regeneration of nuclear fuel, the production of labeled compounds and in hot atom chemistry. Various methods of measurements of labeled compounds used in gas chromatography also are discussed. [Based on author's Eng. abst.] [JPRS: 36,845]

SUB CODE: 18 / SUBM DATE: none

Card 1/1712 P UDC: 543.544.25: 621.039.534.34: 621.039.564.7

BEDNAR, J.; LUKAS, S.

Radiolysis of concentrated aqueous sodium nitrate solutions.
Coll Cz Chem 29 no.2:341-355 F '64.

1. Nuclear Research Institute, Czechoslovak Academy of Sciences,
Rez near Prague.

LUKAC, Stefan

Ako možno splniť úlohy druhého päťročného planu v rastlinnej výrobe v Žilinskom kraji. (Methods of Fulfilling the Tasks of the Second Five-Year Plan in Plant Production in the Žilina Region. illus., tables) Žilina. KNV, 1957. 54 n.

The author deals in the first place with sowing methods, correct use of natural and artificial fertilizers, quality of seed and seedlings, fight against weeds and care of meadows and pastures. In a comprehensive table, he indicates quantities of artificial fertilizers according to individual crops per hectare.

Bibliografický katalog, CSR, Slovenske knihy, VOL.VIII. 1957. No.9. p.281.

LINDAUR, V.; LUKAC, V.

Effect of excitation of the sensory analysors of the cerebral cortex on the force of muscular contractions. Pracovni lek.
6 no.3:149-153 Jg '54.

1. Z Fysiologickeho ustavu lek. fak. KU, pobočka v Plzni.

(MUSCLES, physiology,

*eff. of excitation of cerebral cortex sensory analysors
on force of contraction)

(CEREBRAL COTREX, physiology,

*eff. of excitation of sensory analysors on force of
musc. contraction)

LUKACH, V. A.

USSR/Medicine - Physiology

FD 251

Card 1/1

Author : Lindaaur, V. V. and Lukach, V. A. (Czechoslovakia)

Title : Methods of recording conditioned reflex salivary secretions in dogs

Periodical : Fiziol.zhur.⁴⁰ 2, 224-226, Mar/Apr 1954

Abstract : Students of higher nervous activity have encountered difficulties in recording salivary secretion. Detailed description of an apparatus that records salivary secretion can be found in literature. This apparatus was developed by E. A. Ganike and improved by P. S. Kupalov. It became apparent to the authors of this article that additional changes were desirable. Improvements that they made enable the operator to note the exact amount of salivary secretion. The improved apparatus is a great contribution to the study of conditioned reflexes. Diagrams.

Institution :

Submitted : June 14, 1953

LUKACH, V A

VLK, Ya.Ya. [Vlk, J.J.]; LUKACH, V.A. [Lukac, V.A.]

Effects of chlorpromazine (aminazine) on the activity of the isolated heart [with summary in English]. Fiziol.zhur. 44 no.4: 365-368 Ap '58. (MIRA 11:4)

1. Fiziologicheskiy institut Meditsinskogo fakul'teta Karlovskogo universiteta (filial v Plazni) Chekhoslovatskaya Narodnaya Respublika.

(CHLORPROMAZINE, effects

on isolated frog & rat hearts (Rus))

(HEART, effect of drugs on

chlorpromazine on isolated frog & rat hearts (Rus))

LINDAUR, V.; LUKAC, V.

Method of fractionated sampling of saliva for chemical analysis
and simultaneous registration of salivation in dogs. Cesk. fysiол.
4 no.2:200-203 May 55.

1. Fysiologicky ustav lekarske fakulty K.U., pobočka v Plzni.
(SALIVATION,
registration in dogs)
(SALIVA,
sampling for chem. analysis in dogs)

LUKACH, V. A.

✓ Technique for fractional collection of saliva for chemical analysis with simultaneous registration of salivation in dogs. V. Lindaur and V. Lukach (Carl IV Univ. Physiol. Inst., Prague). *Physiol. Bohemoslov.* 4, 229-32(1955). — The saliva collector, described and illustrated, is centered around a 4-tube distributor connected to 4 collection pipets, with the collection from the main bulb being accomplished not by pressure but by partial vacuum; the operation is manual.

G. M. Rosolapoff

Med 2

LUKAC, V.;ROKYTA. R.

Effect of ammonia on blood pressure and respiration. Cesk. fysiол.
9 no.1:34-35 Ja 60.

1. Fysiologicky ustav lek. fak. KU, Plzen.
(BLOOD PRESSURE, pharmacol.)
(RESPIRATION pharmacol.)
(AMMONIA pharmacol.)

SPALAT, Rudolf; LUKACEVIC, Avonko

An exhibition of welding held on the occasion of the 10th anniversary of the Society of Welding technology of Croatia. Zavarivanje 6 no.4:91-92 Ap '63.

JOSIPOVIC, V.; PAPO, I.; CURCIC, M.; FAJGELJ, I.; LUKACEVIC, D.; MIHAILOVIC, D.

Myxoma of the right atrium successfully treated by a surgical method. Acta chir. Iugosl. 10 no.3:261-272 '63

1. Interna klinika B Medicinskog fakulteta u Beogradu
(Upravnik: prof.dr. R.Berovic), Hirurska klinika (Nacelnik:
gen. prof. dr. I. Papo) i Institut za radiologiju (Nacelnik:
puk. prof. dr. M. Curcic) Vojnomedicinske akademije u Beogradu.

S

LUKACEVIC, Dr. Josip

"The Present Rate of Cattle Brucellosis in the People's Republic of Bosnia & Herzegovina."
Dr. Josip Lukacevic - scientific collaborator of Vet. Inst. of Republic of Bosnia & Herzegovina, Sarajevo.

SOURCE: Vet., BROJ 3-4, p. 335, 1952

LUKACEVIC, Dr. Josip

"Unexplained Sudden Death of Pigs on Two Farms in the Area of Sava River in Bosnia."
Dr. Josip Lukevevic - ~~SCIENTIFIC~~ collaborator of Vet. Inst. of Republic Bosnia &
Herzegovina, Sarjevo. Dr. Wisco Bobalic - Vet. of Dist. People's Committee at Brcko.
Zeljko Marusic - Vet. of Dist. People's Comm. at Bos. Samac.

SOURCE: Vet. BROJ 5-6-7, p. 574, 1952

LUKACEVIC, Dr. Josip

"Comparison of Results of Allergic Reaction & Complement fixation Test in Glandus."
Dr. Josip Lukacevic - scientific collaborator of Vet. Inst. of Republic of Bosnia &
Herzegovina, Sarajevo Miroslav Uranka - Vet. reportu.

SOURCE: Vet., BROJ 8-9-10, p. 797, 1952

LUKACEVIC, Dr. J.

"KORTIKOSTERDN and Ascorbic Acid in the Production of Agglutinin and Hemolysin."
Dr. J. Lukacevic - scientific collaborator of Vet. Inst. of Republic of Bosnia & Herzegovina in Sarajevo.

SOURCE: Vet. SVEZAK 1, p. 39, 1953

LUKACEVIC, Dr. Josip

"Incidence & Movement of Blackleg in Cattle in Bosnia & Hercegovina, and Comparison with the Movement of Anthrax." Dr. Josip Lukacevic - scientific collaborator Vet. Inst. Republic of Bosnia - Hercegovina, Sarajevo.

SOURCE: Vet., SVEZAK 4, p. 682, 1953

YUGOSLAVIA/Farm Animals. Cattle. Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78741.

Author : Lukacevic, ~~Lj.~~ Milakovic-Vergles, Lj.; Kovacevic, M.

Inst :

Title : On the Problem of the Study of the Bacteriological
Flora of Sperm. of Bulls.

Orig Pub: Veterin. ~~zh~~nik, 1957, 11, No 4, 442-448.

Abstract: As a result of activities conducted by the
veterinary center in Krizhevtza, it was established
that concentrated rarefied sperm of bulls is
infected with microbes and bacteria. For a de-
crease of infection of the sperm with microbes and
bacteria, it is necessary to improve the hygienic
conditions of cattle maintenance and to establish

Card : 1/2

27

YUGOSLAVIA/Farm Animals. Cattle.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78741.

permanent bacteriological controls for the
sperm of the bulls.

Card : 2/2

LUKACEVIC, .

SURNAME (If known); Given Names

Country: Yugoslavia

Accident: [not given]

ADDITIONAL: [not given]

Source: Belgrade, Veterinarski glasnik, No 8, 1961, pp 693-698.

Data: "Veterinary Center at Krizevci from May 10, 1901, to May 10, 1961."

LUKACEVIC

1. "The Protein and Lipid for Packaging for Chlorophyll in Photosynthesis of Chloroplasts" (1967), Annual Review of Biochemistry, Vol. 36, No. 1, 1-31.
2. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
3. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
4. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
5. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
6. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
7. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
8. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
9. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.
10. "Study of Use of Ultraviolet for Determination of Chlorophyll" (1967), J. Biol. Chem., Vol. 242, No. 1, 1-10.

- [illegible]

YUGOSLAVIA

J. LUKACEVIC, T. KOLUBIC and V. VLAHIC, Veterinary Institute (Veterinarski zavod) Kriizevci.

"Importance and Significance of Bacteriologic and Parasitologic Tests on Genital Organs and Sperm of Bulls in Artificial Insemination Centers in the Prevention of Bovine Genital Diseases."

Belgrade, Veterinarski Glasnik, Vol 16, No 12, 1968; pp 1219-1224.

Abstract [German summary modified]: Among 420 cows inseminated with semen from a bull with genital trichomoniasis, 13 became infected: 11 aborted and in the other 2 purulent vaginitis was observed. Diagnosis was confirmed in the laboratory only in 1 of the 13 cases. Comprehensive discussion of implications. Ten Yugoslav, 13 Western, 1 Czech abstract of Turkish reference; table.

1/1

LAMIRAL, G.; LECLER, R.; LUKACEVIC, Zvonko, dipl. inz., strucni
saradnik [translator]

Construction of the encasements for the EDF-1 and EDF-2
reactors at Chinon (France). Zavarivanje 7 no. 1:12-19 '64.

1. Institut "Duro Dakovic", Salvonski Brod, clan Redakcijskog
saveta, "Zavarivanje" (for Lukacevic).

LUKACEVIC, Zvonko, inz.

Computing the force of a network and its main aggregate
for welding. Zavarivanje 7 no. 2:39-41 F '64.

1. Member of the Editorial Council, "Zavarivanje".

LURACH, I. B.

Dissertation: "Effect of the Fluorine Ion on the Chemical Stability of Some Types of Glass." Card Chem Sci, Leningrad Technological Inst, Leningrad, 1953, Referativnyy Zhurnal--Khimiya, Moscow, No 7, Apr 54.

SO: SUM 284, 26 Nov 1954

LUKACH, I.G. (Kiyev)

Comparison of the sensitivity of dysentery bacteria to biomycin,
levomycetin and streptomycin. Vrach.delo no.4:409-411 Ap'58
(MIRA 11:6)

1. Mikrobiologicheskij otdel (zav. - prof. S.S. Dyachenko)
Ukrainskogo instituta epidemiologii i mikrobiologii.
(ANTIBIOTICS)
(SHIGELLA PARADYSENTERIAE)

LUKACH, I.G. [Lukach, I.H.]

Methods for treating dysentery in children with biomycin and streptomycin. Ped., akush. i gin. 20 no.2:7-10 '58. (MIRA 13:1)

1. Otdel mikrobiologii (zav. otdelom - prof. S.S. Dyachenko) Kiyevskogo nauchno-issledovatel'skogo instituta epidemiologii i mikrobiologii (direktor - kand.med.nauk S.M. Terekhov).
(DYSENTERY) (AUREOMYCIN) (STREPTOMYCIN)

LUXACH, I.G. [Lukach, I.H.]

Joint effect of some antibiotics on dysentery bacteria. Mikro-
biol.zhur. 21 no.3:41-44 '59. (MIRA 12:10)

1. Z Kiivs'kogo naukovo-doslidnogo institutu epidemiologii
i mikrobiologii.

(SHIGELLA pharmacol)

(ANTIBIOTICS pharmacol)

LUKACH, I. G.

Cand Med Sci - (diss) "Experimental study of the sensitivity of dysenteric bacteria to biomycin and the combination use of it with other antibiotics." Kiev, 1961. 9 pp; (Kiev State Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomol'ts); 250 copies; price not given; (KL, 5-61 sup, 203)

KALYUZHNYAYA, L.D.; BRYANSKAYA, A.M.; LITUVCHENKO, Ye.P.; LUKACH, I.G.;
LYSENKO, Z.A.; MAYKO, I.I.; POLETNOV, S.M.

Isolation and study of actinomycetes-antagonists from soils of
some Ukrainian provinces. Mikrobiologiya 31 no.4:654-661 J1-Ag
'62. (MIRA 18:3)

1. Kiyevskiy institut epidemiologii i mikrobiologii.

PADALKA, B.Ya.; KORMANOVA, Ye.Ye.; CHERNOMORDIK, A.B.; LUKACH, I.G.;
BASS, T.M.

Materials on the etiology, clinical aspects and rational
antibiotic therapy of chronic ulcerative colitis. Vrach. delo
no.10:99-103 0 '63. (MIRA 17:2)

1. Kafedra infektsionnykh bolezney (zav. - prof. B.Ya.
Padalka) Kiyevskogo meditsinskogo instituta i otdel anti-
biotikov (zav. - doktor biologicheskikh nauk A.B. Chernomordik) Kiyevskogo instituta epidemiologii i mikrobiologii.

CHERNOMORIE, A.B.; LUXACH, I.G.; SHAVORSKAYA, L.D.

Synergistic effect of some antimicrobial preparations on
Proteus. Antibiotiki 8 no. 11:1031-1033 N '63. (MIRA 17:9)

1. Otdel antibiotikov Kiyevskogo instituta epidemiologii i
mikrobiologii.

L 46197-66 EWT(1)/T JK

ACC NR: AR6011882

SOURCE CODE: UR/0299/65/000/0022/B037/B037

AUTHOR: Illarionova, R. P.; Skripnik, L. I.; Rogozhina, A. P.;
Chernomordik, A. B.; Lukach, I. G.

28

B

TITLE: Isolation and properties of a new pigmented antibiotic

SOURCE: Ref. zh. Biologiya, Abs. 22B253

REF SOURCE: Sb. Antibiotiki. Kiev, Zdorov'ya, 1965, 76-80

TOPIC TAGS: antibiotic, bacteriology, soil bacteriology

ABSTRACT: An actinomycete producing the new P-125 antibiotic has been isolated from the chernozem soils of Poltavsk Oblast. The producer culture forms a gray aerial mycelium and a violet substrate mycelium in synthetic media, and in organic medium No. 2 the culture develops a violet-brown substrate mycelium that colors the medium slightly brown; the spore carriers are straight. This strain is classified with the Violaceus series on the basis of culture and morphological indices; species identification has not been established. Liquid organic medium No. 2 is favorable for the formation of P-125. The culture liquid was saturated with sodium chloride and acidified to pH 3.0 to isolate P-125. Then a sediment was obtained containing mycelium and antibiotic

UDC: 615.779.931

46197-46

ACC WA 126011882

precipitated from the culture liquid. The sediment was extracted three times with acetone and boiled down. P-125 was extracted with chloroform from the aqueous-acetone solution. The extract was concentrated and precipitated with petroleum ether or benzene. The preparation in appearance is a dark-red amorphous powder. P-125 has index properties; the UV absorption spectrum is 230 and 495 millimicrons in methanol and 315, 415 and 490 millimicrons in butanol. P-125 can be differentiated from violarin, litmocidin and antibiotic 770-M by its chromatographic properties and UV spectra. P-125 closely resembles rubidine. P-125 is classified as a new chemical compound of the rubromycin-griseorodine group. It is active in relation to gram positive bacteria and acid resistant bacteria. T. Maksimova. [Translation of abstract].

SUB CODE: 06

Card 2/2

LUKACH, Ye.

Ways to economize. Prof.-tekh.obr. 17 no.3:24 Mr '60.
(MIRA 13:6)

1. Pomoshchnik direktora po kul'turno-vospitatel'noy rabote
Khustskogo tekhnicheskogo uchilishcha No.5, Zakarpatskaya oblast'.
(Transcarpathia--Cloting industry)

PECHONYI, Kh. D. and LUKACH, Yu. V.

Spravochnik Po Elektrooborudovaniu Avtomobile, Mototsiklov Traktorov (Manual on Electrical Equipment and Installation on Motorcars, Motorcycles and Tractors), 183 p., Kiev and Moscow, 1951.

LUKACH, Yu. Ye.

Dissertation: "Investigation of Heat Loss During Boiling of Binary Mixtures." Cand
Tech Sci, Kiev Polytechnic Institute, Kiev, 1953. (Referativnyi Zhurnal-Akademiya,
No 10, Moscow, May 54)

SO: SDM 313, 23 Dec 1954

LUKACH, YU. YE,
Category : USSR/Atomic and Molecular Physics - Heat

L-4

Abs Jour : Ref Zhur -- Fizika, No 3, 1957, No 6335

Author : Chernobyl'skiy, I.I., Lukach, Yu.Ye.

Title : Investigation of Heat Transfer in the Boiling of Binary Mixtures.

Orig Pub : Izv. Kiyevsk. politekhn. in-ta, 1956, 17, 45-60

Abstract : No abstract

Card : 1/1

200 ACH. 70 10.

CHERNOBYL'SKIY, I.I.; LUKACH, Yu.Ya.

Determination of heat emission coefficients in the boiling of
binary mixtures. Khim. prom. no.6:362-363 S '57. (MIRA 11:1)
(Distillation) (Heat--Transmission)

CHEREDNICHENKO, I. S.; LUKACH, Yu. Ye.[Lukach, IU. IU.]

Calculating the filtration process of cement and ceramic
suspensions. Khim. prom.[Ukr.] no.1:53-56 Ja-Mr '62.

(MIRA 15:10)

(Filters and filtration) (Suspensions(Chemistry))

LUKACH, Yu. E. (KPI)

"About investigations of heat sensors for moving plastic solutions."

Report presented at the Section on Heat Exchange in Single Phase Medium, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

RYABININ, D.D.; LUKACH, Yu.Ye.; ZAVGORODNIY, V.K., inzh., ratsenzent;
KARGANOV, V.G., inzh., red.

[Screw extruders for processing plastics and rubber mixes]
Cherviachnye mashiny dlia pererabotki plasticheskikh mass i
rezinovykh smesei. Moskva, Mashinostroenie, 1965. 362 p.
(MIRA 18:3)

CHERNOBYL'SKIY, I.I. [Choronobyl's'kiy, I.I.], doktor tekhn. nauk; LUKACH,
Yu.Ye. [Lukach, IU.IE.], kand. tekhn. nauk; GAYEVSKIY, B.A. [Halev's'kiy,
B.A.], kand. tekhn. nauk; KOCHERGIN, V.I. [Kochernin, V.I.]

Apparatus for studying heat transfer to the moving polyethylene
melt. Khim. prom. no.4:43-44 O-D '64.

Determining the coefficients of heat transfer to a moving
polyethylene melt. Ibid.:45 (MIRA 18:3)

LUKACH, Yu.Ye., kand. tekhn. nauk

Designing the screws of screw machinery. Khim. mashinostr. no.1:
19-25 '65. (MIRA 18:9)

LUKACHER, G.Ya., kand. med. nauk

Ankylosing senile spinal hyperostosis (Forestier's disease).
Trudy 1-go MMI 38:459-462 '65. (MIRA 18:10)

LUKACHER, G.Ya.; MATYASHOVA, K.G.

Case of epidural and subdural hematoma with a successful outcome.
Vop.neirokhir. 24 no.4:54 Je-Ag '60. (MIRA 13:12)
(BRAIN—HEMORRHAGE)

LUKACHER, G.Ya., kand. med. nauk; MINAKOVA, Ye.I., kand. med. nauk

Work capacity expertise in the lumbo-sacral root syndrome as
a consequence of hernia of an intervertebral disk. Sov. med.
27 no.12:88-93 O '64. (MIRA, 18:11)

1. Nevrologicheskoye otdeleniye (zav.- kand. med. nauk G.Ya.
Lukacher) Gorodskoy bol'nitsy No.41 ekspertizy vremennoy
netrudosposobnosti (glavnyy vrach N.A. Magnitskaya), Moskva.

LUKACHER, G.Ya., kand.med.nauk; FAL'CHUK, A.Ya.; ZHMOTOVA, Ye.A.

Medical expertise of the capacity for work and rehabilitation of persons following surgery for hernia of an intervertebral disk and hypertrophy of the ligamentum flavum of the lumbar region. Sov. med. 28 no.3:104-108 Mr '65. (MIRA 18:10)

1. Nevrologicheskoye otdeleniye (zav. - kand.med.nauk G.Ya. Lukacher) 41-y gorodskoy bol'nitsy ekspertizy vremennoy netrudosposobnosti (glavnyy vrach N.A.Magnitskaya) i Neyrokhirurgicheskoye otdeleniye (nauchnyy rukovoditel' - prof. I.M.Irger) klinicheskoy bol'nitsy imeni S.P.Botkina (glavnyy vrach - dotsent Yu.G.Antonov), Moskva.

LUKACHER, G.Ya.; KRYMON, M.A.

Spinal nerve syndrome in cervical osteochondrosis; clinical aspects and expertise on work capacity. Zhur. nevr. i psikh. 65 no.2:210-215 '65. (MIRA 18:9)

1. Nevrologicheskoye otdeleniye (zaveduyushchiy - kand. med. nauk G.Ya. Lukacher) gorodskoy bol'nitsy No.41 ekspertizy vremennoy netrudosposobnosti (glavnyy vrach N.A. Magnitskaya) Moskva.

Disability, Civil

Disability certificate issued by the Ministry of Health
Zhur. Nevz. 1 point of disability group 1.

(MHA 18:9)

1. Neurological symptoms: chronic pain syndrome of the
go. odskoy 10/10/1971. 10/10/1971. 10/10/1971. 10/10/1971.
(glavnyy v. 10/10/1971. 10/10/1971. 10/10/1971. 10/10/1971.)

LUKACHER, R.

With the collective's efforts. Sov. profsoiuzy 19 no.13:26-27
Jl '63. (MIRA 16:9)

1. Predsedatel' mestnogo komiteta apteki No.167, Moskva.
(Pharmacists) (Trade unions)

LUKACHER, V.

"Automobile in motion" by IU. A. Dolmatovskii. Reviewed by
V. Lukacher. Avt. transp. 36 no.10:62 O '58.

(MIRA 13:1)

(Automobiles--Dynamics)

(Dolmatovskii, IU. A.)

LUKACHER, V.

Automatic signaling device. Za bezop.dvizh. 4 no.1:13 Ja '62.
(MIRA 16:7)
(Traffic signs and signals)

LUKACHER, V. G.

AID P - 619

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 23/35

Author : Lukacher, V. G., Eng., Moscow

Title : More responsibility in author's work (Comments)

Periodical : Elektrichestvo, 8, 83-84, Ag 1954

Abstract : P. N. Listov's book Application of Electric Power in Agriculture, recommended by the Administration of Educational Institutions of the Ministry of Agriculture of the USSR, has several serious deficiencies and mistakes, which the author points out. More care in future publications is advised.

Institution : Moscow Institute of Tools and Instruments im. Stalin

Submitted : No date

LUKACHER, V.G., inzhener.

Device for the rapid starting of fluorescent lamps. *Energetik* 4 no.8:
37-39 Ag '56. (Fluorescent lamps) (MLRA 9:10)

LUKACHER, Viktor Grigor'yevich; LITVINOV-LUNTS, V.S., red.; VORONIN,
K.P., tekhn.red.

[Fluorescent lights] Osvetitel'nye ustroistva s liumi-
nestsentnymi lampami. Moskva, Gos.energ.izd-vo, 1959. 183 p.
(MIRA 12:10)

(Fluorescent lighting)

LUKACHEV, V. P.

Lukachev, V. P.

"Investigation of the throttle cycle of a carburetor engine." Min Higher Education USSR. Moscow Automotive Mechanics Inst. Kuybyshev, 1956. (Dissertation for the Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

SOV/124-59-7-7513

Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 7, p 57 (USSR)

AUTHOR: Lukachev, V.P.

TITLE: Theoretical Investigation of the Throttle Cycle ²³

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, Nr 6, pp 115 - 142

ABSTRACT: The results of the heat calculation of the theoretical Otto-process are given for the four values of the initial pressure, changing because of the throttling, and for different values of the air abundance coefficient, the pressure of residual gases, the compression ratio, and the air temperature. An increase in the pump losses appears as the single cause for deterioration of the economy of this cycle.

M.A. Peshkin



Card 1/1

S/123/59/000/09/33/036
A002/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 9, p. 380,
35891

AUTHOR: Lukachev, V. P.

TITLE: The Determination of Friction Power and Indicated Efficiency by
Approximate Methods

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, No. 6, pp. 143-152

TEXT: Bibliographic entry.



Card 1/1

LUKACHEV, V. P. (Asst. Prof.)

"Perspectives of Developing Scientific Research Functions of the Institute
in the Light of the Resolution of the 21st Congress of the Communist Party USSR."

report presented at the 13th Scientific Technical Conference of the Kuybyshev
Aviation Institute, March 1959.

LUKACHEV, V.P.; STUKANOV, V.R.

Equipment for automatic measurement of fuel consumption by weight.
Avt.prom. 29 no.3:31-32 Mr '63. (MIRA 16:3)

1. Kuybyshevskiy aviatsionnyy institut.
(Electronic measurements) (Gas and oil engines—Fuel systems)

VAYDMAN, S.I.; NECHAYEV, G.A.; LUKACHEV, V.Ye., inzh., retsenzent;
BESPALOV, I.V., inzh., nauchnyy red.; PENOVA, Ye.I., red. izd-
va; VORONETSKAYA, L.V., tekhn. red.

[Manufacture and assembly of wooden elements] Izgotovlenie i mon-
tazh dereviannykh konstruktsii. Leningrad, Gosstroizdat, 1962.
256 p. (MIRA 15:6)

(Carpentry)

LUKACHEV, Ye.

Progressive form of work organization. Stroitel' 2 no. 4-5:13 Ap-
My '56. (MLRA 10:1)

1. Zamestitel' nachal'nika Glavleningradstroya.
(Building) (Efficiency, Industrial)

LUKACHEVICH, M. N.

В. В. Смирновский,
А. А. Рогов
Исследование диэлектрических свойств III полупроводников

11 июня
(с 18 до 22 часов)

Н. А. Кузнецов

Свойства потенциальных функций транзитной электродинамики в неограниченной плоской области пространства, метрическая метрика которой не зависит от одной координаты

Н. П. Курдюмов

Оптимальная форма криволинейной поверхности в пространстве

Ю. М. Маслов

Теоретическое исследование влияния параметров волн на свойства волнового канала

Р. Е. Назаров

Экспериментальный анализ электромагнитного поля в волновом канале, содержащем резонансные элементы

В. П. Шостомов

Дисперсионные свойства в пространственной резонансной структуре, содержащей в неограниченной области

12

А. А. Маслов
Руководитель: Е. Н. Галачев

9 июня
(с 10 до 16 часов)

А. А. Маслов

Новые полупроводниковые приборы для радиотехнической аппаратуры

Р. Е. Смирновский

М. Н. Лухачевич

Новый полупроводниковый прибор на базе кремния — анализ транзистора

Т. М. Акимов

А. Н. Петров

Работа дрейфового транзистора при большой частоте

Ю. Е. Баранов

Переходный процесс в нелинейной системе с частотной обратной связью

9 июня
(с 18 до 22 часов)

13

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in. A. S. Popov (YEREN), Moscow,
6-12 June, 1959

LUKACHEVSKAYA, L. A.

LUKACHEVSKAYA, L. A.: "The textual structure of the title page of a book and the description of printed works." Moscow State Library Inst imeni V. M. Molotov. Moscow, 1956. (Dissertation for the Degree of Candidate in Pedagogical Science.)

So: Knizhnaya letopis', No. 37, 1956. Moscow.

LUKACHEVSKIY, M.G.; STROBYKIN, N.S.

Casting of plungers into permanent and semipermanent molds.

Lit. proizv. no.12:37 D '64.

(MIRA 18:3)

5.2620

21363
S/021/61/000/011/011/011
D299/D304

AUTHORS: Babko, A. K., Academician AS UkrRSR, and Lukachina,
V. V.

TITLE: Investigating ternary complexes of tantalum and niobi-
um by means of pyrogallol and addend III

PERIODICAL: Akademiya nauk UkrRSR. Dopovidi, no. 11, 1961,
1504-1507

TEXT: Tantalum- and niobium complexes, formed in the presence of
pyrogallol (H_2Pg) and ethylenediamine tetra-acetic acid (denoted in
the following by EDTA) were studied by spectrophotometric methods.
The spectrophotometer $CF-4(SF-4)$ was used. The absorption spectra
showed that by adding EDTA to the solutions of pyrogallate complexes
of tantalum and niobium, new complex compounds are formed, having
characteristic (eigen) absorption bands with $\lambda_{max} = 375 \mu$ (for tan-
talum) and 480μ (for niobium). In order to determine the nature
of the EDTA interaction, the isomolar series EDTA-tantalum (niobi-

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D299/D304

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um) were studied in the presence of excess pyrogallol. Tantalum (niobium) pyrogallate also absorbs light. It was found that EDTA acts not only as a medium, but enters into the composition of pyrogallate complexes of tantalum and niobium, forming compounds in the ratio EDTA:Ta (Nb) = 1:1. The three-component systems form ternary compounds which have 2 different addends in the coordination sphere. The formation of new absorption bands (under the action of the EDTA) is apparently due to a change in the state of the central atom in

a reaction of type $\text{NbO}_3^- + \text{H}_4\text{Y} \rightleftharpoons \text{NbOY}^- + 2\text{H}_2\text{O}$. Graphs show the effect of pyrogallol concentration on the niobium (tantalum) complexes and other graphs show the effect of EDTA concentration on niobium (tantalum) pyrogallate. It was found that the dependence of 1 g

$\frac{[\text{Nb} \cdot \text{Y} \cdot \text{Pg} \cdot \text{m}]}{[\text{NbY}]}$ on 1 g $[\text{H}_2\text{Pg}]$ is linear with $\text{tg}\alpha = 1$; hence the number of moles of pyrogallol $m = 1$, which confirms the results of the isomolar series. Knowing the composition and the molar coefficients of absorption ($E_{\text{Ta}}^{(375)} \simeq E_{\text{Nb}}^{(480)} = 5700$) of the ternary complexes, it

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Investigating ternary complexes ...

is possible to calculate their dissociation constants. These constants are listed in 2 tables. There are 4 figures, 2 tables and 6 references: 2 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: E. C. Hunt, R. A. Wells, Analyst, 79, 345, 1954; D. F. Wood, I. A. Scholes, Anal. Chim. Acta, 21, 121, 1959; K. S. Lee, E. O. Price, J. E. Land, J. Amer. Chem. Soc., 78, 1325, 1956; V. Patrovsky, Collection, 23, 1774, 1958.

ASSOCIATION: Instytut zahal'noyi ta neorhanichnoy khimiyi AN USSR
(Institute of General and Inorganic Chemistry AS
UkrRSR)

SUBMITTED: June 8, 1961

X

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HABKO, A.K.; LUKACHINA, V.V.

Spectrophotometric study of ternary complexes of niobium and
tantalum with pyricatechol and ethylenediaminetetraacetic acid.
Ukr.khim.zhur. 27 no.5:683-687 '61. (MIRA 14:9)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Niobium compounds--Spectra)
(Tantalum compounds--Spectra)

BABKO, A.K.; LUKACHINA, V.V.

Study of the relative stability of some complex compounds of niobium and tantalum in solution. Ukr.khim.zhur. 27 no.6:794-796 '61. (MIRA 14:11)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Niobium compounds)
(Tantalum compounds)

BABKO, A.K., akademik; LUKACHINA, V.V.

Studying ternary complexes of tantalum and niobium with pyrogallol and complexon III. Dop. AN URSR no.11:1504-1507 '61. (MIRA 16:7)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
2. AN UkrSSR (for Babko).

(Complex compounds)

BABKO, A. K.; LUKACHINA, V. V.

Spectrophotometric study of pyrogallate complexes of niobium.
Ukr. khim. zhur. 28 no.3:371-377 '62. (MIRA 15:10)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

(Niobium compound) (Pyrogallol)

BABKO, A.K.; LUKACHINA, V.V.

Spectrophotometric study of pyrogallate complexes of tantalum.

Ukr.khim.zhur. 28 no.7:779-785 '62.

(MIRA 15:12)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSSR.
(Tantalum compounds) (Pyrogallol) (Spectrophotometry)

L 17701-63 EWP(q)/EWT(w)/BDS AFFTC/ASD/ESD-3 RM/JD
 ACCESSION NR: AP3003991 S/0073/63/029/007/0689/0698

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AUTHOR: Lukachina, V. V.

TITLE: Pyrocatechol complexes of tantalum

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 29, no. 7, 1963, 689-698

TOPIC TAGS: pyrocatechol, tantalum, absorption spectra, HCl, niobium, oxalic acid, hydrochloric acid

ABSTRACT: The absorption spectra of complex systems of tantalum-pyrocatechol-oxalate were studied. It was shown that the oxalate ion enters into the composition of colored tantalum-pyrocatechol complexes which are formed at a pH of 2 to 3. The formation of the triple complexes $[(TaO)C_2O_4Bz]^-$ and $[(TaO)C_2O_4Bz_2]^{3-}$ was shown by isomolar series and equilibrium shift methods. The transformation of the first complex into the second takes place when $[Bz] \approx 0.4$ mole/l. The equilibrium constants of the triple complexes were

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ACCESSION NR: AP3003991

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calculated at a pH of 2.5. It was shown that, with an increase in the solution's pH, the colored tantalum complex is transformed into a colorless pyrocatechol. Since niobium and tantalum behave differently during photometric determination, the interaction of their chlorides was studied with oxalic acid in 0.45 N HCl. It was found that Nb(V) and Ta(V) interact differently. The niobium ion combines with the oxalate ion, while the oxygen in the tantalum ion is replaced by the oxalate and forms a cation-type complex which interacts more readily with the pyrocatechol ions forming the triple complexes. Orig. art. has: 4 tables and 9 figures.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR
(Institute of general and inorganic chemistry, Academy of Sciences,
UkrSSR)

SUBMITTED: 03Jul62

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ENCL: 00

SUB CODE: CH

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OTHER: 005

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L 17426-63

EW P(q)/EW T(m)/BDS

AFFTC/ASD

JD/JG

ACCESSION NR: AP3004345

S/0078/63/008/008/1839/1845

AUTHORS: Babko, A. K.; Lukachina, V. V.; Nabivanets, B. I.

60
58

TITLE: Solubility and acid-base properties of the hydrates of tantalum and niobium oxides.

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 8, 1963, 1839-1845

TOPIC TAGS: tantalum, niobium, tantalum hydroxide, niobium hydroxide, nitric acid, tantalic acid, niobic acid

ABSTRACT: The solubility of freshly-precipitated tantalum and niobium hydroxides in nitric acid media was studied. It was established that the "isoelectric region" of the tantalic acid is in the pH interval from 9 to 2. This region is in a pH interval of 7-0 for niobic acid. The above shows that the metallic properties of tantalum are more pronounced than those of niobium. The effect of the degree of concentration of H^+ and OH^- on the solubility of tantalic and niobic acids has been calculated. It

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ACCESSION NR: AP3004345

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was established that, in acidic as well as in basic media, the monomeric ions of tantalum and niobium are formed in the initial stage of solubility. The constants of basic and acidic dissociation of tantalum and niobium hydroxides were calculated when the solubility was doubled. The instability constants of the hydroxy complexes of tantalum and niobium were calculated from the results of the basic dissociation constants and with application of electrostatic characteristics. Effect of the rate and duration of centrifuging for completeness of the separation of the precipitate has also been studied. Orig. art. has: 3 tables, 5 graphs and 8 equations.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR
(Institute of general and inorganic chemistry, AN, UkrSSR)

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Card 2/2

NABIVANETS, B.I.; LUKACHINA, V.V.

Hydroxo complexes of titanium (IV), Ukr.khim.zhur. 30 no.11:1123-
1128 '64. (MIRA 18:2)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.